

# Tri-Valley Green Economy Career Pathways

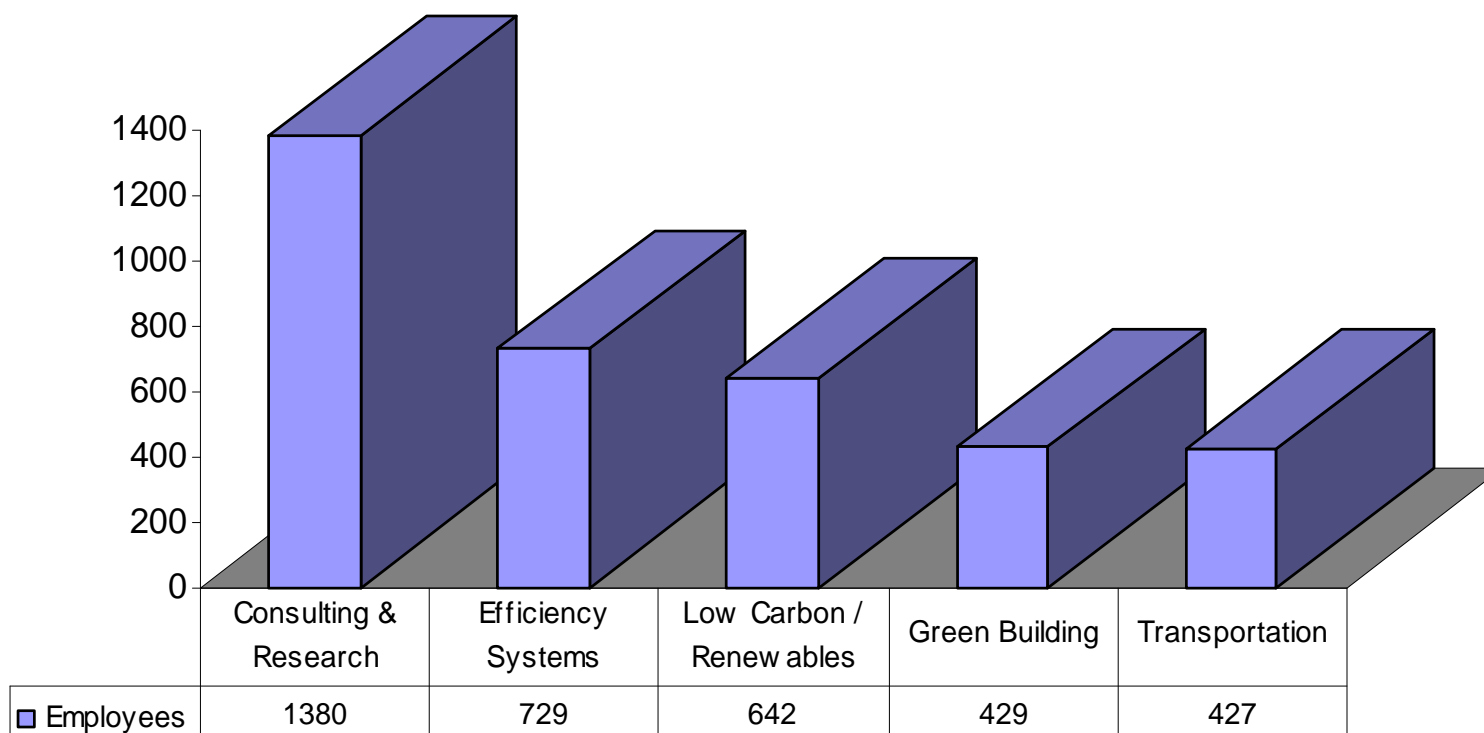
## Workforce Partnerships



# East Bay Green Economy



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INCUBATOR



Does not include LBL, JBEI, EBI, LLNL, Sandia or refineries; Includes Chevron Technology Ventures, but not Chevron Corporate,

East Bay Green Economy Directory  
Craft Consulting Group, July 2008

# Education Requirements



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## Green Economy Job Titles

Achievement Level	% of Job Titles
Bachelors Degree or Higher	62%
Associates Degree or Equivalent	9%
Apprenticeship or Trade School	11%
High School Diploma or GED	18%

Environmental Defense Fund  
California Green Jobs Guidebook  
2008

# Tri-Valley Position



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Our core potential is in professional areas ....

## Professional Green Economy Base\* - 2008

	<u>Companies</u>	<u>Employees</u>
Tri-Valley	10	382
Green Corridor	16	1,067
East Bay	48	2,600

Technology Development	Applications and Engineering	Energy Generation Systems	Efficiency Systems	Sustainability Services
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## An Innovation Economy:

42% of adults have at least one 4-year degree

Largest per capita concentration of PhDs

Two national laboratories

Corporate headquarters of Chevron

Concentration of scientific & technical firms

Two school districts in California's top 10

# Tri-Valley Potential



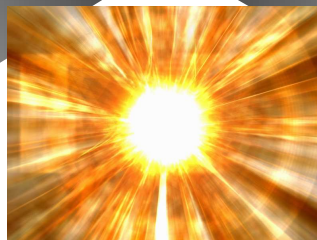
Potentially ... Energy Innovation Crossroads



IT Industry



Biotech Industry



Energy Industry



# Economic Potential



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Biofuels

Combustion Science

Environmental Engineering

Environmental Consulting

Energy Efficiency

Smart Grid

Transportation

Energy Storage

Products & Services

Global  
Markets



## 800 New Green Economy Professionals Over Three Years

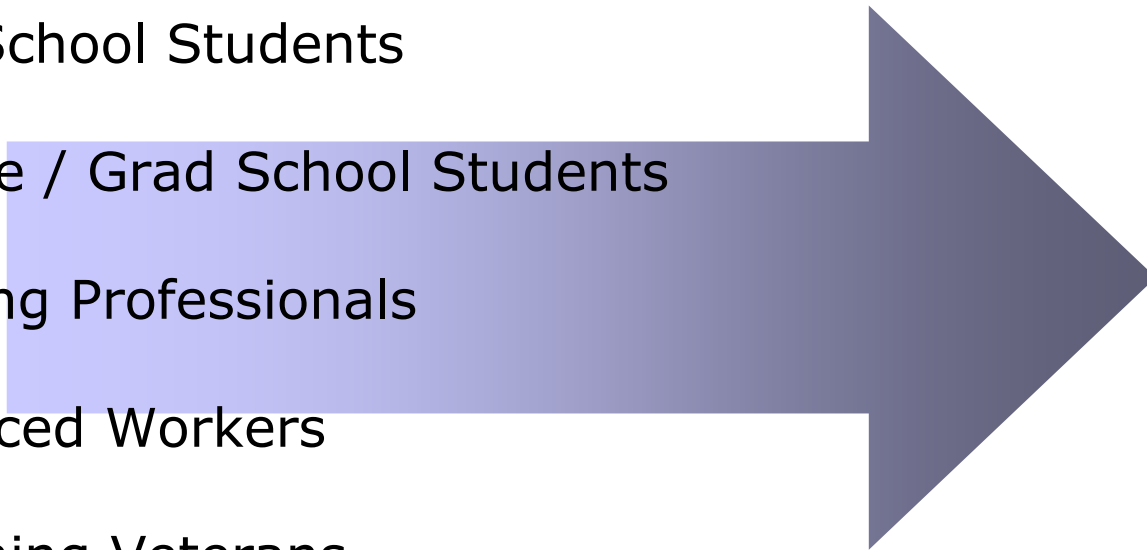
High School Students

College / Grad School Students

Working Professionals

Displaced Workers

Returning Veterans



Scientists

Engineers

Technologists



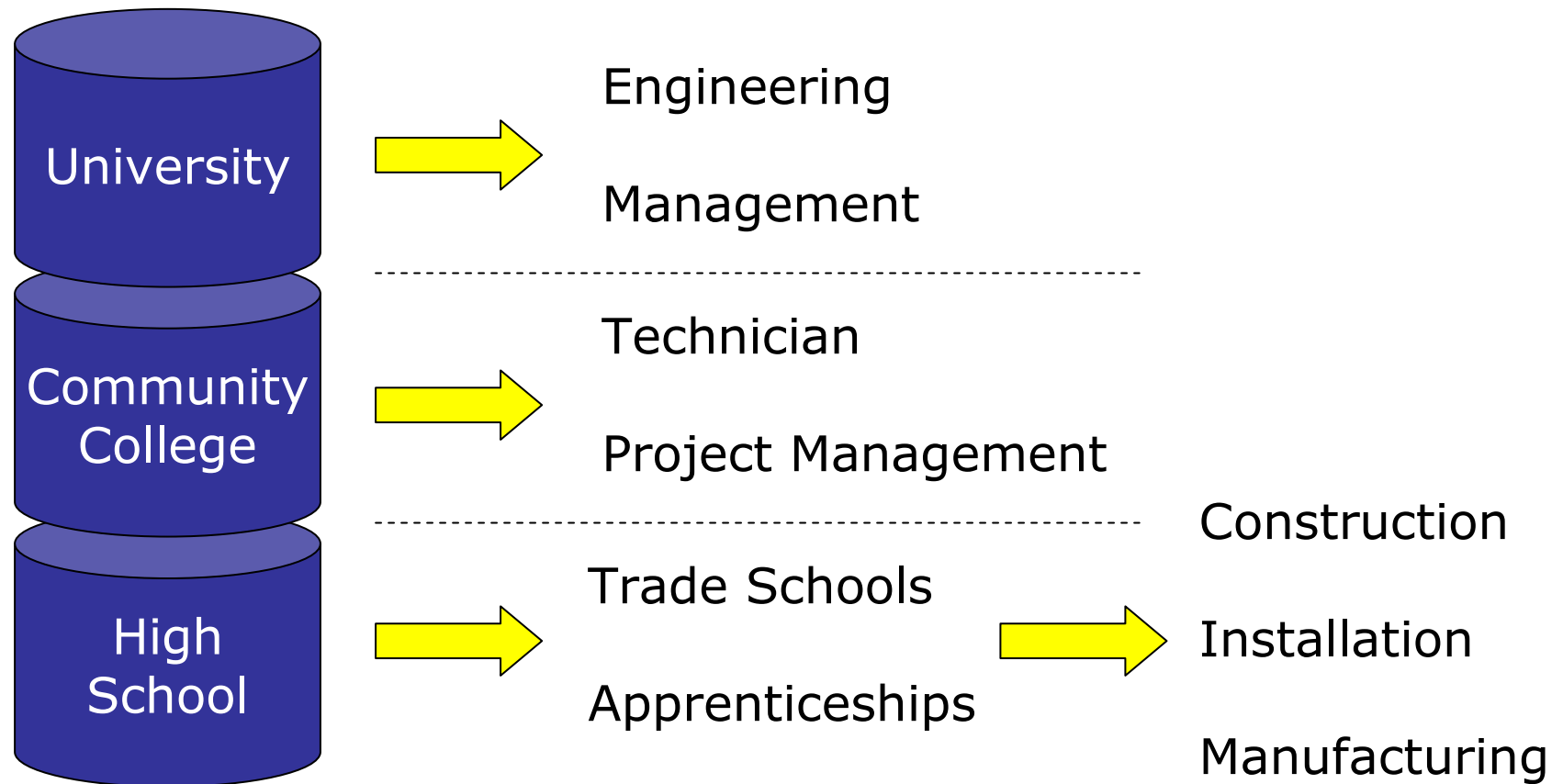
# Engagement Model



## Tri-Valley Business Council Alternative Energy Workforce Initiative



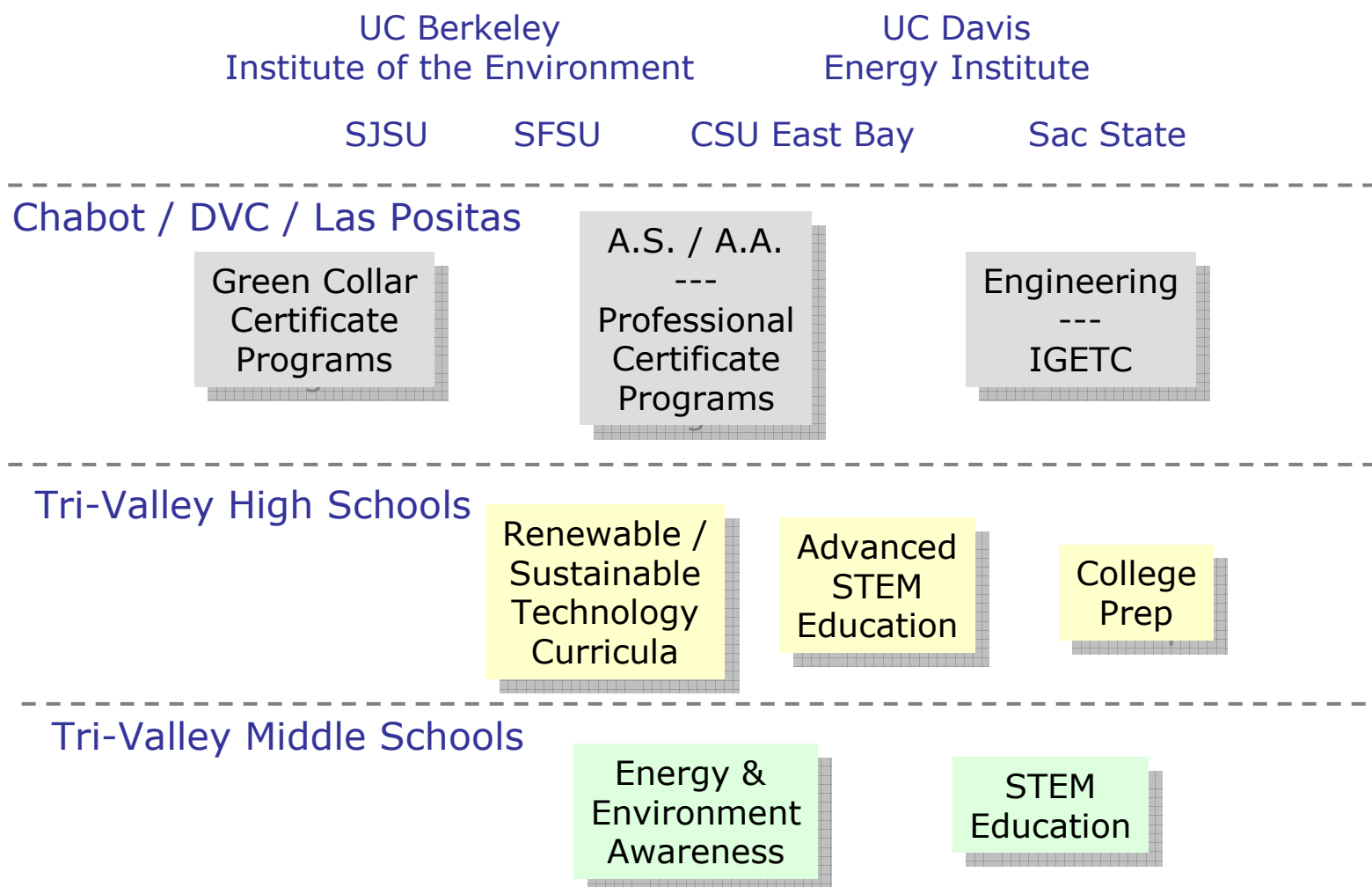
# Career Pathways Model



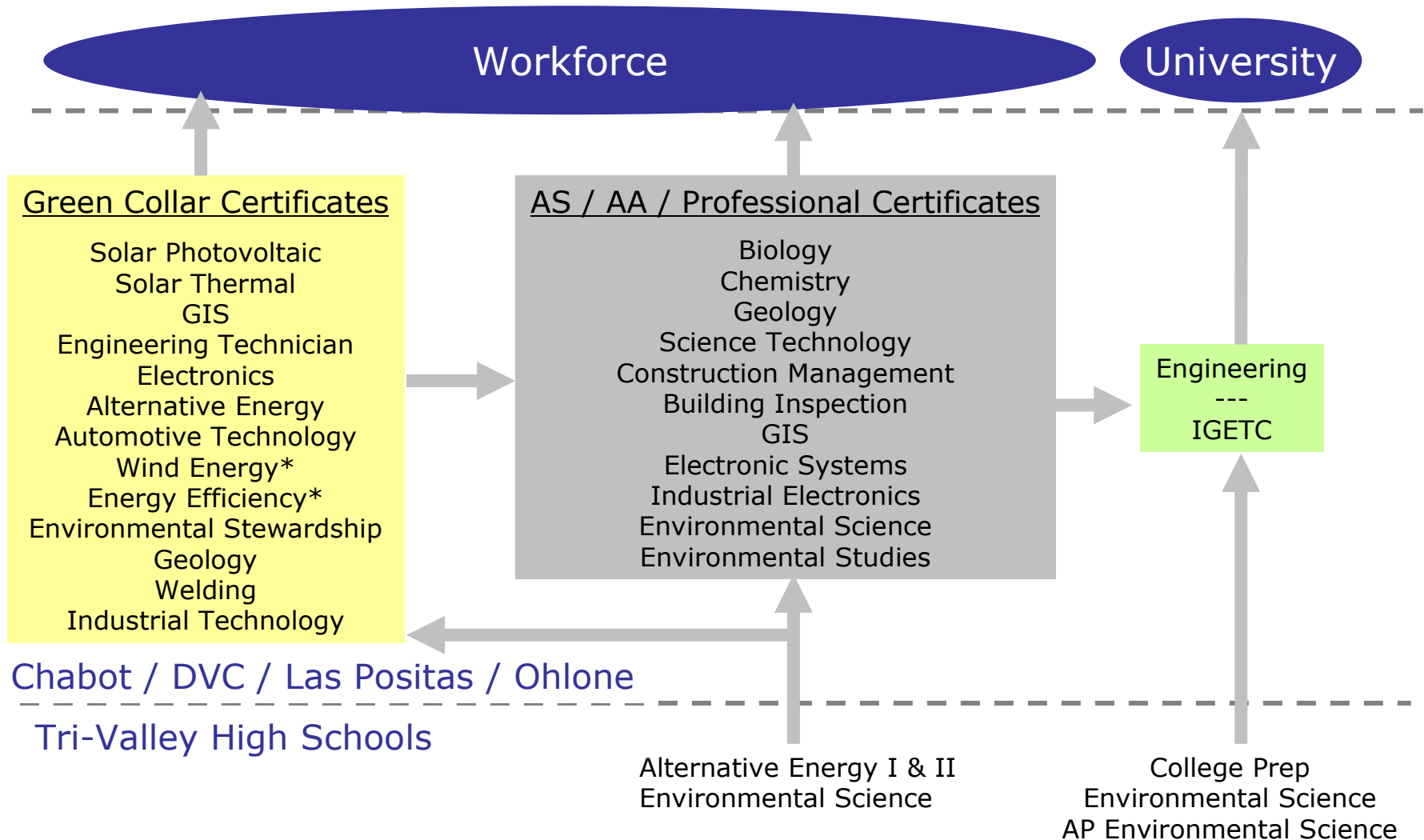
# Pathways Mapping



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# Current Career Preparation



\* Planned for 2010

# ARRA Direction



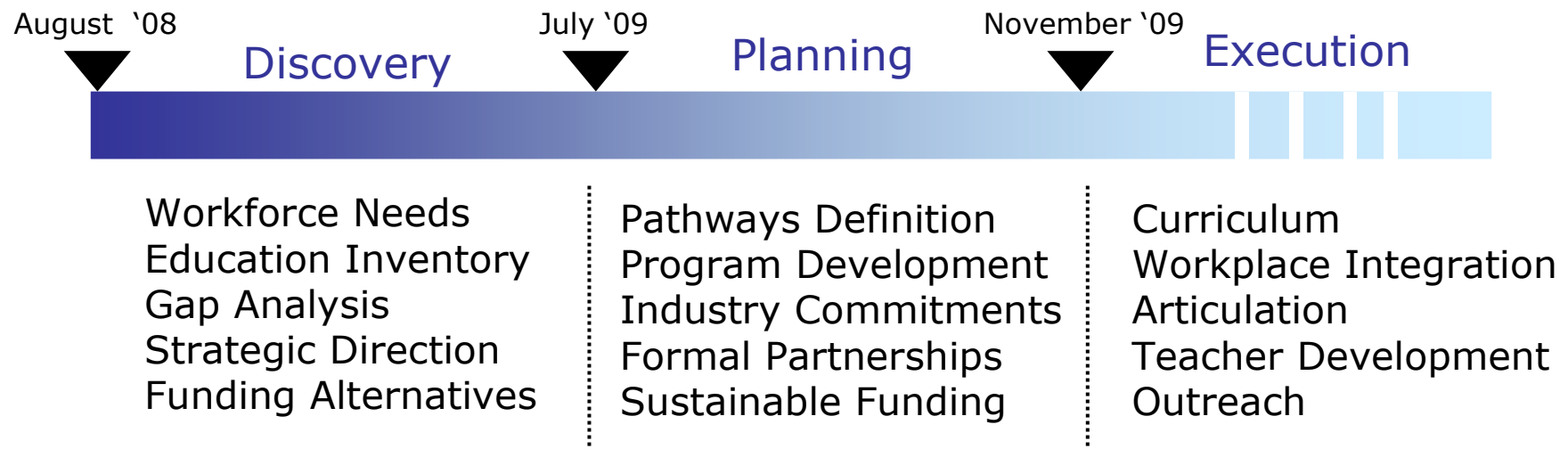
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## Integrated Workforce Development

CSU System	Displaced Workers	Specialty Certificates	1-2 Years
Community Colleges	Displaced & Incumbent Workers	Re-Skilling Certificates	3-4 Years
	Youth & Working Adults	Pre-Apprenticeship	5-10 Years
High Schools	K-12	Advanced STEM & Career Pathways	5-10 Years



## Continuing Pathway Development





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# Thank You

Jim Caldwell

Executive Director  
Workforce Incubator

[jcaldwell@workforceincubator.org](mailto:jcaldwell@workforceincubator.org)  
[www.workforceincubator.org](http://www.workforceincubator.org)